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NOTICE OF ALLOWANCE AND FEE(S) DUE

22971

7590

08/12/2009

MICROSOFT CORPORATION ONE MICROSOFT WAY REDMOND, WA 98052-6399 EXAMINER
SILVER, DAVID
ART UNIT PAPER NUMBER

2128 DATE MAILED: 08/12/2009

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/724,586	11/28/2003	Christopher M. Bishop	305414.01	9877

TITLE OF INVENTION: ROBUST BAYESIAN MIXTURE MODELING

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	11/12/2009

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or <u>Fax</u> (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where

appropriate. All further indicated unless correcte maintenance fee notificate	correspondence including below or directed oth tions.	ng the Patent, advance onerwise in Block 1, by (orders and notification of n a) specifying a new corres	naintenance fees wi condence address; a	ll be mai and/or (b	iled to the current of indicating a separ	correspondence address as ate "FEE ADDRESS" for
CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)				s) Transmittal, This	certificat paper, su	te cannot be used for ich as an assignmen	domestic mailings of the r any other accompanying t or formal drawing, must
MICROSOFT ONE MICROSO REDMOND, W.				Corti	ficate of	Mailing or Transn	nission deposited with the United class mail in an envelope above, or being facsimile te indicated below.
							(Depositor's name)
			_				(Signature)
							(Date)
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nonprovisional	NO	\$1510	\$300	\$0		\$1810	11/12/2009
EXAM	INER	ART UNIT	CLASS-SUBCLASS				
SILVER,	DAVID	2128	703-002000				
"Fee Address" ind. PTO/SB/47; Rev 03-0 Number is required.	ND RESIDENCE DATA less an assignee is identi h in 37 CFR 3.11. Comp	" Indication form led. Use of a Customer A TO BE PRINTED ON	(1) the names of up to or agents OR, alternativ (2) the name of a single registered attorney or a 2 registered patent attool listed, no name will be THE PATENT (print or type data will appear on the patent attool (B) RESIDENCE: (CITY)	ely, e firm (having as a regent) and the names neys or agents. If no printed. e) tent. If an assigned assignment.	nember a s of up to o name is	2	cument has been filed for
Please check the appropr	iate assignee category or	categories (will not be p	rinted on the patent):	Individual 🖵 Cor	poration	or other private gro	up entity 🗖 Government
	are submitted: To small entity discount p # of Copies	permitted)	b. Payment of Fee(s): (Plea A check is enclosed. Payment by credit care The Director is hereby overpayment, to Depo	1. Form PTO-2038 authorized to charge	is attache	ed. uired fee(s), any def	
	tus (from status indicated s SMALL ENTITY state		☐ b. Applicant is no long			· ·	R 1.27(g)(2).
NOTE: The Issue Fee and interest as shown by the i	d Publication Fee (if requeecords of the United Sta	uired) will not be accepte tes Patent and Trademark	ed from anyone other than the Office.	e applicant; a regist	ered atto	rney or agent; or the	assignee or other party in
Authorized Signature				Date			
Typed or printed name	e			Registration No			
This collection of inform an application. Confident submitting the completed his form and/or suggesti	ation is required by 37 C tiality is governed by 35 d application form to the lons for reducing this but	CFR 1.311. The informatic U.S.C. 122 and 37 CFR USPTO. Time will vary rden, should be sent to the	on is required to obtain or r 1.14. This collection is est y depending upon the indiv the Chief Information Office	etain a benefit by the mated to take 12 m dual case. Any con r, U.S. Patent and T	e public v inutes to nments or rademark	which is to file (and complete, including the amount of time Office, U.S. Depa	by the USPTO to process) g gathering, preparing, and the you require to complete thent of Commerce. P.O.

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ONE MICROSOF		ART UNIT	PAPER NUMBER		
REDMOND, WA 98052-6399			2128		
		DATE MAILED: 08/12/2009			

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 492 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 492 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

	Application No.	Applicant(s)				
	10/724,586	BISHOP ET AL.				
Notice of Allowability	Examiner	Art Unit				
	DAVID SILVER	2128				
The MAILING DATE of this communication appear All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIP of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in this a or other appropriate communicat IGHTS. This application is subject and MPEP 1308.	application. If not included ion will be mailed in due course. THIS				
2. The allowed claim(s) is/are <u>1-6,8-12,14-19,21-31,33-44,46</u>	<u>-55,57-65 and 67-71</u> .					
a) All b) Some* c) None of the: 1. Certified copies of the priority documents have 2. Certified copies of the priority documents have 3. Copies of the certified copies of the priority doc International Bureau (PCT Rule 17.2(a)). * Certified copies not received:	1.					
 Attachment(s) 1. Notice of References Cited (PTO-892) 2. Notice of Draftperson's Patent Drawing Review (PTO-948) 3. Information Disclosure Statements (PTO/SB/08),	5. Notice of Informa 6. Interview Summa Paper No./Mail I 7. Examiner's Amer 8. Examiner's State 9. Other	ary (PTO-413), Date				

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Art Unit: 2128

DETAILED ACTION

1. Claims 1-6 8-12 14-19 21-31 33-44 46-55 57-65 67-71 are pending in Instant Application.

2. All claims are allowed over the prior art of record.

Response: 35 U.S.C. § 101 / 112

- 3. Applicants' arguments have been fully considered. In view of the recent Court decision (In Re Bilski) and the John J Love memo regarding the decision, the claims are drawn to statutory matter as 1) the method claims require a computer to calculate approximations, and the outputting of a number implies a physical tie to hardware and 2) the claims drawn to non-method claims necessitate hardware by explicit recitation of computer systems / processor.
- 4. The practical application within the claims is drawn to the determination of the number of speakers.
- 5. The enablement issue has been resolved with the Applicants' showing of existing information that shows how number of speakers is determined (Remarks: page 22 top). Accordingly, all rejections have been withdrawn.

Allowable Subject Matter

- 6. The following is the Examiner's statement of reasons for allowance:
- 7. As per all claims, the most relevant prior-art of set-forth the Previous Office Actions.
- The prior art does not explicitly disclose or suggest that which was presented as arguments in Applicants' Remarks (dated 7/2/2008) pages 25-26, with emphasis on page 26 first two full paragraphs..

For example, in claim 1, the best prior-art of record fails to disclose or render obvious the limitation of "computing an approximation" in combination with the formula being claimed.

The art of record, either individually or in combination, fails to teach, suggest, or render obvious invention having the corresponding function that is claimed. In view of the foregoing, the Instant Claims of the present application are found to be patentable over the prior art.

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Any comments considered necessary by applicant must be submitted no later than the payment of the

issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions

should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

All claims are found allowable over prior-art.

Any inquiry concerning this communication or earlier communications from the examiner should

be directed to David Silver whose telephone number is (571) 272-8634. The examiner can normally be

reached on Monday thru Friday, 10am to 6:30pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor,

Kamini Shah can be reached on 571-272-2279. The fax phone number for the organization where this

application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application

Information Retrieval (PAIR) system. Status information for published applications may be obtained from

either Private PAIR or Public PAIR. Status information for unpublished applications is available through

Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should

you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at

866-217-9197 (toll-free).

/Kamini S Shah/ Supervisory Patent Examiner, Art Unit 2128

David Silver Patent Examiner Art Unit 2128

/ds/